

Table 1  
Surfacewater Analytical Data - Region 6  
Upper Animas River

Analyte	CAS.NO	Units		Location	Aztec Water Intake	Farmington Water Intake	ADW-010
				Sample ID	Aztec Water Intake	Farmington Water Intake	ADW-010-150809-11
				Date	8/6/2015	8/6/2015	8/9/2015
				Sample Time	17:50	18:30	8:20
				Latitude	36.83845	37.3	36.83746
				Longitude	-107.99242	-107.86820	-107.99168
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	41 J	44 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.07 U	< 0.07 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.5	0.6	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	75	69.8	60
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.02 U	< 0.02 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	0.03 J	0.02 J	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	59100	62000	63000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	3.6	3.5	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.1	0.2	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.4	1.9
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 3 U	< 3 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.06 J	0.05 J	0.18 J
Magnesium, Dissolved	7439-95-4	ug/L		--	9160	9580	8700
Manganese, Dissolved	7439-96-5	ug/L	7800	--	29	36	9.3
Mercury, Dissolved	7439-97-6	ug/L		--	0.07 J	0.03 J	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2	1.1 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.2	2.1	0.99 J
Potassium, Dissolved	7440-09-7	ug/L		--	2330	2540	2200
Selenium, Dissolved	7782-49-2	ug/L		--	0.6 J	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.03 U	< 0.03 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	16000	19800	14000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.1	0.1	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	1.2	1.4	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	26 J	27 J	29

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Metals, Total					Metals, Total				
Aluminum, Total	7429-90-5	ug/L		--	Aluminum, Total	7429-90-5	ug/L		--
Antimony, Total	7440-36-0	ug/L		--	Antimony, Total	7440-36-0	ug/L		--
Arsenic, Total	7440-38-2	ug/L		--	Arsenic, Total	7440-38-2	ug/L		--
Barium, Total	7440-39-3	ug/L		--	Barium, Total	7440-39-3	ug/L		--
Beryllium, Total	7440-41-7	ug/L		--	Beryllium, Total	7440-41-7	ug/L		--
Cadmium, Total	7440-43-9	ug/L		--	Cadmium, Total	7440-43-9	ug/L		--
Calcium, Total	7440-70-2	ug/L		--	Calcium, Total	7440-70-2	ug/L		--
Chromium, Total	7440-47-3	ug/L		--	Chromium, Total	7440-47-3	ug/L		--
Cobalt, Total	7440-48-4	ug/L		--	Cobalt, Total	7440-48-4	ug/L		--
Copper, Total	7440-50-8	ug/L		--	Copper, Total	7440-50-8	ug/L		--
Iron, Total	7439-89-6	ug/L		--	Iron, Total	7439-89-6	ug/L		--
Lead, Total	7439-92-1	ug/L		--	Lead, Total	7439-92-1	ug/L		--
Magnesium, Total	7439-95-4	ug/L		--	Magnesium, Total	7439-95-4	ug/L		--
Manganese, Total	7439-96-5	ug/L		--	Manganese, Total	7439-96-5	ug/L		--
Mercury, Total	7439-97-6	ug/L		--	Mercury, Total	7439-97-6	ug/L		--
Molybdenum, Total	7439-98-7	ug/L		--	Molybdenum, Total	7439-98-7	ug/L		--
Nickel, Total	7440-02-0	ug/L		--	Nickel, Total	7440-02-0	ug/L		--
Potassium, Total	7440-09-7	ug/L		--	Potassium, Total	7440-09-7	ug/L		--
Selenium, Total	7782-49-2	ug/L		--	Selenium, Total	7782-49-2	ug/L		--
Silver, Total	7440-22-4	ug/L		--	Silver, Total	7440-22-4	ug/L		--
Sodium, Total	7440-23-5	ug/L		--	Sodium, Total	7440-23-5	ug/L		--
Thallium, Total	7440-28-0	ug/L		--	Thallium, Total	7440-28-0	ug/L		--
Vanadium, Total	7440-62-2	ug/L		--	Vanadium, Total	7440-62-2	ug/L		--
Zinc, Total	7440-66-6	ug/L		--	Zinc, Total	7440-66-6	ug/L		--
General					General				
Alkalinity	STL00171	mg/L		--	Alkalinity	STL00171	mg/L		--
Chloride	16887-00-6	mg/L		--	Chloride	16887-00-6	mg/L		--
Fluoride	16984-48-8	mg/L		--	Fluoride	16984-48-8	mg/L		--
Nitrate as N	14797-55-8	mg/L		--	Nitrate as N	14797-55-8	mg/L		--
pH	STL00204	SU		--	pH	STL00204	SU		--
Sulfate	14808-79-8	mg/L		--	Sulfate	14808-79-8	mg/L		--

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Total Dissolved Solids	STL00242	mg/L		--	Total Dissolved Solids	STL00242	mg/L		--
Total Hardness	STL00009	mg/L		--	Total Hardness	STL00009	mg/L		--
Total Suspended Solids	STL00161	mg/L		--	Total Suspended Solids	STL00161	mg/L		--

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening v**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Recreationa							
Metals, Dissolved I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	41 J	44 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.07 U	< 0.07 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.5	0.6	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	75	69.8	60
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.02 U	< 0.02 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	0.03 J	0.02 J	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	59100	62000	63000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	3.6	3.5	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.1	0.2	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.4	1.9
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 3 U	< 3 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.06 J	0.05 J	0.18 J
Magnesium, Dissolved	7439-95-4	ug/L		--	9160	9580	8700
Manganese, Dissolved	7439-96-5	ug/L	7800	--	29	36	9.3
Mercury, Dissolved	7439-97-6	ug/L		--	0.07 J	0.03 J	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2	1.1 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.2	2.1	0.99 J
Potassium, Dissolved	7440-09-7	ug/L		--	2330	2540	2200
Selenium, Dissolved	7782-49-2	ug/L		--	0.6 J	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.03 U	< 0.03 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	16000	19800	14000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.1	0.1	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	1.2	1.4	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	26 J	27 J	29

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<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>982 R</b>	<b>2530 R</b>	<b>440</b>
Antimony, Total	7440-36-0	ug/L		--	<b>0.7 R</b>	<b>0.3 R</b>	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>0.9 R</b>	<b>1.1 R</b>	<b>1.3</b>
Barium, Total	7440-39-3	ug/L		--	<b>97.7 R</b>	<b>98.7 R</b>	<b>70</b>
Beryllium, Total	7440-41-7	ug/L		--	<b>0.09 R</b>	<b>0.2 R</b>	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.2 R</b>	<b>0.2 R</b>	<b>0.19</b>
Calcium, Total	7440-70-2	ug/L		--	<b>59900 R</b>	<b>63100 R</b>	<b>64000</b>
Chromium, Total	7440-47-3	ug/L		--	<b>0.4 R</b>	<b>1.1 R</b>	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.7 R</b>	<b>1.1 R</b>	<b>0.42</b>
Copper, Total	7440-50-8	ug/L		--	<b>4.4 R</b>	<b>5.5 R</b>	<b>9.2</b>
Iron, Total	7439-89-6	ug/L		--	<b>977 R</b>	<b>2060 R</b>	<b>1800 J</b>
Lead, Total	7439-92-1	ug/L		--	<b>5 R</b>	<b>6 R</b>	<b>14 J</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>9390 R</b>	<b>9880 R</b>	<b>8600</b>
Manganese, Total	7439-96-5	ug/L		--	<b>120 R</b>	<b>158 R</b>	<b>120 J</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.02 UR	< 0.02 UR	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.2 R</b>	<b>1.1 R</b>	<b>0.86 J</b>
Nickel, Total	7440-02-0	ug/L		--	<b>2.9 R</b>	<b>3.8 R</b>	<b>1</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2680 R</b>	<b>3010 R</b>	<b>2300</b>
Selenium, Total	7782-49-2	ug/L		--	<b>0.4 R</b>	<b>0.4 R</b>	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.03 UR	< 0.03 UR	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>15900 R</b>	<b>19800 R</b>	<b>14000</b>
Thallium, Total	7440-28-0	ug/L		--	<b>0.1 R</b>	<b>0.1 R</b>	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>1.7 R</b>	<b>3.6 R</b>	<b>1.6</b>
Zinc, Total	7440-66-6	ug/L		--	<b>59 R</b>	<b>62 R</b>	<b>63</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--			<b>91</b>
Chloride	16887-00-6	mg/L		--			<b>11</b>
Fluoride	16984-48-8	mg/L		--			<b>0.36</b>
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--			<b>8.09 J</b>
Sulfate	14808-79-8	mg/L		--			<b>96</b>

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Total Dissolved Solids	STL00242	mg/L		--			<b>260</b>
Total Hardness	STL00009	mg/L		--			<b>190</b>
Total Suspended Solids	STL00161	mg/L		--			<b>1100</b>

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Analyte	CAS.NO	Units		Location	ADW-010	ADW-010	ADW-021
				Sample ID	ADW-010-150810-11	ADW-010-150811-11	ADW-021-150809-11
				Date	8/10/2015	8/11/2015	8/9/2015
				Sample Time	8:50	9:00	10:10
				Latitude	36.83746	36.83746	36.87280
				Longitude	-107.99168	-107.99168	-107.96084
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	49 J	51 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	57	62	59
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	59000	60000	63000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.13 J	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	3	1.8
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	20 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.15 J	0.61	0.076 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8700	8600
Manganese, Dissolved	7439-96-5	ug/L	7800	--	16	19	8.9
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2	1
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.97 J	1.9 J	1.2 J
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2300	2100
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	14000	15000	13000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.2 J	5.4 J	9.1 J

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<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>400</b>	<b>210</b>	<b>400</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>0.69 J</b>	<b>0.7 J</b>	<b>1.3</b>
Barium, Total	7440-39-3	ug/L		--	<b>64</b>	<b>65</b>	<b>70</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	< 0.043 U	<b>0.077 J</b>	<b>0.14</b>
Calcium, Total	7440-70-2	ug/L		--	<b>60000</b>	<b>60000</b>	<b>65000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.28 J</b>	<b>0.23 J</b>	<b>0.39 J</b>
Copper, Total	7440-50-8	ug/L		--	<b>5.3</b>	<b>4.3</b>	<b>8.6</b>
Iron, Total	7439-89-6	ug/L		--	<b>720 J</b>	<b>410</b>	<b>1600 J</b>
Lead, Total	7439-92-1	ug/L		--	<b>9.3 J</b>	<b>5.2</b>	<b>14 J</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8500</b>	<b>8600</b>	<b>8700</b>
Manganese, Total	7439-96-5	ug/L		--	<b>70 J</b>	<b>59</b>	<b>110 J</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.2</b>	<b>1.1</b>	<b>0.91 J</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.2</b>	<b>0.93 J</b>	<b>1 J</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2100</b>	<b>2300</b>	<b>2200</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>14000</b>	<b>15000</b>	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>0.91 J</b>	<b>0.56 J</b>	<b>1.4</b>
Zinc, Total	7440-66-6	ug/L		--	<b>30</b>	<b>22</b>	<b>60</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>83</b>	<b>83</b>	<b>85</b>
Chloride	16887-00-6	mg/L		--	<b>11</b>	<b>12</b>	<b>11</b>
Fluoride	16984-48-8	mg/L		--	<b>0.34</b>	<b>0.33</b>	<b>0.35</b>
Nitrate as N	14797-55-8	mg/L		--	< 0.023 U	< 0.023 UJ	
pH	STL00204	SU		--	<b>8.15 J</b>	<b>8.22 J</b>	<b>7.67 J</b>
Sulfate	14808-79-8	mg/L		--	<b>92</b>	<b>93</b>	<b>91</b>



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Total Dissolved Solids	STL00242	mg/L		--	<b>260</b>	<b>240</b>	<b>160</b>
Total Hardness	STL00009	mg/L		--	<b>180</b>	<b>190</b>	<b>200</b>
Total Suspended Solids	STL00161	mg/L		--	<b>30</b>	<b>58</b>	<b>880</b>

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 Upper Animas River

Analyte	CAS.NO	Units		Location	ADW-021	ADW-021	ADW-021
				Sample ID	ADW-021-150810-11	ADW-021-150810-12	ADW-021-150811-11
				Date	8/10/2015	8/10/2015	8/11/2015
				Sample Time	10:05	10:05	10:15
				Latitude	36.87280	36.87280	36.87280
				Longitude	-107.96084	-107.96084	-107.96084
Recreationa							
Metals, Dissolved							
I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	45 J	57 J	36 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	57	60	62
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	60000	60000	61000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	1.3 J	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.13 J	0.13 J	0.12 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	3.4	2.2	2.7
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	34 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.12 J	0.46	0.18 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8500	8900
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	15	13
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.1	1.3 J	1.2 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	2.9 J	1.2 J	1.2
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2000	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	13000	13000	14000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.3 J	6.7 J	4.6 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>370</b>	<b>300</b>	<b>190 J</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>0.81 J</b>	< 0.37 U	<b>0.58 J</b>
Barium, Total	7440-39-3	ug/L		--	<b>65</b>	<b>62</b>	<b>63</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.078 J</b>	<b>0.1</b>	<b>0.099 J</b>
Calcium, Total	7440-70-2	ug/L		--	<b>61000</b>	<b>60000</b>	<b>59000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.26 J</b>	<b>0.23 J</b>	<b>0.22 J</b>
Copper, Total	7440-50-8	ug/L		--	<b>5.3</b>	<b>4.8</b>	<b>4.3</b>
Iron, Total	7439-89-6	ug/L		--	<b>760 J</b>	<b>610 J</b>	<b>400</b>
Lead, Total	7439-92-1	ug/L		--	<b>9.8 J</b>	<b>8.3 J</b>	<b>5.1</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8700</b>	<b>8500</b>	<b>8500</b>
Manganese, Total	7439-96-5	ug/L		--	<b>63 J</b>	<b>52 J</b>	<b>53</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.1</b>	<b>1.1 J</b>	<b>0.98 J</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1 J</b>	<b>0.93 J</b>	<b>1.1</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2100</b>	<b>2100</b>	<b>2200</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>13000</b>	<b>13000</b>	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>0.9 J</b>	<b>0.76 J</b>	<b>0.45 J</b>
Zinc, Total	7440-66-6	ug/L		--	<b>29</b>	<b>26</b>	<b>23</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>90</b>	<b>89</b>	<b>99</b>
Chloride	16887-00-6	mg/L		--	<b>11</b>	<b>11</b>	<b>12</b>
Fluoride	16984-48-8	mg/L		--	<b>0.34</b>	<b>0.34</b>	<b>0.33</b>
Nitrate as N	14797-55-8	mg/L		--	<b>0.042 J</b>	<b>0.05</b>	<b>0.042 J</b>
pH	STL00204	SU		--	<b>8.15 J</b>	<b>8.11 J</b>	<b>8.23 J</b>
Sulfate	14808-79-8	mg/L		--	<b>87</b>	<b>88</b>	<b>89</b>

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>260</b>	<b>240</b>	<b>250</b>
Total Hardness	STL00009	mg/L		--	<b>190</b>	<b>180</b>	<b>180</b>
Total Suspended Solids	STL00161	mg/L		--	<b>25</b>	<b>28</b>	<b>30</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	ADW-022	ADW-022	ADW-022
				Sample ID	ADW-022-150809-11	ADW-022-150810-11	ADW-022-150811-11
				Date	8/9/2015	8/10/2015	8/11/2015
				Sample Time	12:10	11:55	12:35
				Latitude	36.92056	36.92056	36.92056
				Longitude	-107.90991	-107.90991	-107.90991
Recreationa							
Metals, Dissolved							
I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	37 J	39 J	39 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	61	62	70
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	62000	63000	65000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.12 J	0.13 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2	3.3	2.9
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.33	0.15 J	0.38
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8600	8900
Manganese, Dissolved	7439-96-5	ug/L	7800	--	14	14	19
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	0.98 J	1.1	1.1
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4 J	1.3
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2100	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	12000	13000	13000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	5.9 J	2.9 J	75 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>780</b>	<b>310</b>	<b>620</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>1.7</b>	<b>0.42 J</b>	<b>0.83 J</b>
Barium, Total	7440-39-3	ug/L		--	<b>71</b>	<b>65</b>	<b>80</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.18</b>	<b>0.059 J</b>	<b>0.17</b>
Calcium, Total	7440-70-2	ug/L		--	<b>62000</b>	<b>62000</b>	<b>67000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.44</b>	<b>0.24 J</b>	<b>0.47</b>
Copper, Total	7440-50-8	ug/L		--	<b>10</b>	<b>4.8</b>	<b>5.8</b>
Iron, Total	7439-89-6	ug/L		--	<b>2400 J</b>	<b>640 J</b>	<b>890</b>
Lead, Total	7439-92-1	ug/L		--	<b>34 J</b>	<b>8.5 J</b>	<b>12</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8200</b>	<b>8500</b>	<b>9100</b>
Manganese, Total	7439-96-5	ug/L		--	<b>98 J</b>	<b>53 J</b>	<b>87</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.2</b>	<b>1</b>	<b>1.1</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.1</b>	<b>0.92 J</b>	<b>1.3</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2200</b>	<b>2100</b>	<b>2400</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	<b>0.21 J</b>	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>11000</b>	<b>12000</b>	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>1.9</b>	<b>0.65 J</b>	<b>1.2</b>
Zinc, Total	7440-66-6	ug/L		--	<b>58</b>	<b>27</b>	<b>38 J</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>88</b>	<b>93</b>	<b>96</b>
Chloride	16887-00-6	mg/L		--	<b>10</b>	<b>11</b>	<b>11</b>
Fluoride	16984-48-8	mg/L		--	<b>0.34</b>	<b>0.33</b>	<b>0.31</b>
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 U
pH	STL00204	SU		--	<b>8.16 J</b>	<b>8.28 J</b>	<b>8.38 J</b>
Sulfate	14808-79-8	mg/L		--	<b>87</b>	<b>86</b>	<b>88</b>

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>250</b>	<b>260</b>	<b>270</b>
Total Hardness	STL00009	mg/L		--	<b>190</b>	<b>190</b>	<b>200</b>
Total Suspended Solids	STL00161	mg/L		--	<b>610</b>	<b>19</b>	<b>40</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	ADWS-ARP	ADWS-IT1	ADWS-IT1
				Sample ID	ADWS-ARP-150808-11	ADWS-IT1-150807-21	ADWS-IT1-150807-22
				Date	8/8/2015	8/7/2015	8/7/2015
				Sample Time	8:20	12:02	12:02
				Latitude	36.83855	36.87284	36.87284
				Longitude	-107.9921	-107.9607	-107.9607
Recreationa							
Metals, Dissolved I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	32 J	34 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 1 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.58 J	0.52 J	0.57 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	49	66	66
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0.4 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0.1 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L		--	61000	58000	58000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 2 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0 U	0.12 J	0.13 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.3	1	1.1
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 50 U	< 50 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.17 J	< 0.3 U	< 0.3 U
Magnesium, Dissolved	7439-95-4	ug/L		--	8100	8500	8500
Manganese, Dissolved	7439-96-5	ug/L	7800	--	2.9	7.1	7.8
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.5	1	1.1
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4	1.4
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2200	2200
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 2 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L		--	14000	14000	14000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	< 0.2 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0 U	0.32 J	< 1 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 20 U	< 20 U



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	4200 J-	600	660
Antimony, Total	7440-36-0	ug/L		--	1.5	< 1 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	11	0.61 J	0.84 J
Barium, Total	7440-39-3	ug/L		--	97 J-	71	72
Beryllium, Total	7440-41-7	ug/L		--	0.29 J	< 0.4 U	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	0.55	0.099 J	0.11
Calcium, Total	7440-70-2	ug/L		--	69000	58000	58000
Chromium, Total	7440-47-3	ug/L		--	1.7 J	< 2 U	< 2 U
Cobalt, Total	7440-48-4	ug/L		--	1.3	0.32 J	0.35 J
Copper, Total	7440-50-8	ug/L		--	49	2.4	2.7
Iron, Total	7439-89-6	ug/L		--	15000	480	530
Lead, Total	7439-92-1	ug/L		--	230	2	2.2
Magnesium, Total	7439-95-4	ug/L		--	9400	8500	8500
Manganese, Total	7439-96-5	ug/L		--	260	60	65
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	4	1.1	1
Nickel, Total	7440-02-0	ug/L		--	2.1	1.6	1.8
Potassium, Total	7440-09-7	ug/L		--	3700	2300	2300
Selenium, Total	7782-49-2	ug/L		--	0.58 J	< 2 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	1.6	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	15000	14000	14000
Thallium, Total	7440-28-0	ug/L		--	0.12 J	0.15 J	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	10	0.8 J	0.94 J
Zinc, Total	7440-66-6	ug/L		--	180	20	21
<b>General</b>							
Alkalinity	STL00171	mg/L		--	87	92	93
Chloride	16887-00-6	mg/L		--			
Fluoride	16984-48-8	mg/L		--			
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.04 J	8.17 J	8.26 J
Sulfate	14808-79-8	mg/L		--			

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>290</b>		
Total Hardness	STL00009	mg/L		--	<b>210</b>	<b>180</b>	<b>180</b>
Total Suspended Solids	STL00161	mg/L		--	<b>140</b>	<b>23</b>	<b>24</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	ADWS-IT1	ADWS-IT2	ADWS-IT2
				Sample ID	ADWS-IT1-150808-11	ADWS-IT2-150807-21	ADWS-IT2-150808-11
				Date	8/8/2015	8/7/2015	8/8/2015
				Sample Time	9:55	11:32	13:40
				Latitude	36.87284	36.93330	36.93330
				Longitude	-107.9607	-107.909	-107.909
Recreationa							
Metals, Dissolved							
I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	30 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 1 U	< 0 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0 U	0.54 J	0.5 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	50	67	55
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0.4 U	< 0 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0.1 U	< 0 U
Calcium, Dissolved	7440-70-2	ug/L		--	60000	59000	57000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 2 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0 U	0.13 J	< 0 U
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.1	1.6
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 50 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.15 J	0.061 J	0.25 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8100	8300	7800
Manganese, Dissolved	7439-96-5	ug/L	7800	--	3	7.1	5.6
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3	1	1.2
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.2	1.4	1.3
Potassium, Dissolved	7440-09-7	ug/L		--	2100	2200	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 2 U	< 1 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 1 U	< 0 U
Sodium, Dissolved	7440-23-5	ug/L		--	13000	13000	13000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	0.15 J	0.11 J	< 0 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0 U	< 1 U	0.41 J
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 20 U	< 3 U

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>2800 J-</b>	<b>540</b>	<b>1900 J-</b>
Antimony, Total	7440-36-0	ug/L		--	<b>1.1</b>	< 1 U	<b>0.73 J</b>
Arsenic, Total	7440-38-2	ug/L		--	<b>7.6</b>	<b>0.63 J</b>	<b>4.4</b>
Barium, Total	7440-39-3	ug/L		--	<b>84 J-</b>	<b>71</b>	<b>75 J-</b>
Beryllium, Total	7440-41-7	ug/L		--	<b>0.2 J</b>	< 0.4 U	< 0 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.4</b>	<b>0.11</b>	<b>0.3</b>
Calcium, Total	7440-70-2	ug/L		--	<b>67000</b>	<b>58000</b>	<b>61000</b>
Chromium, Total	7440-47-3	ug/L		--	<b>1.1 J</b>	< 2 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.95</b>	<b>0.3 J</b>	<b>0.68</b>
Copper, Total	7440-50-8	ug/L		--	<b>34</b>	<b>2.3</b>	<b>23</b>
Iron, Total	7439-89-6	ug/L		--	<b>10000</b>	<b>420</b>	<b>6000</b>
Lead, Total	7439-92-1	ug/L		--	<b>150</b>	<b>1.7</b>	<b>81</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>9100</b>	<b>8200</b>	<b>8400</b>
Manganese, Total	7439-96-5	ug/L		--	<b>200</b>	<b>53</b>	<b>150</b>
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0.2 U	< 0 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>3</b>	<b>1</b>	<b>2</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.8</b>	<b>1.6</b>	<b>1.4</b>
Potassium, Total	7440-09-7	ug/L		--	<b>3200</b>	<b>2300</b>	<b>2900</b>
Selenium, Total	7782-49-2	ug/L		--	< 1 U	< 2 U	< 1 U
Silver, Total	7440-22-4	ug/L		--	<b>1</b>	< 1 U	<b>0.55 J</b>
Sodium, Total	7440-23-5	ug/L		--	<b>14000</b>	<b>13000</b>	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0 U	< 0.2 U	< 0 U
Vanadium, Total	7440-62-2	ug/L		--	<b>6.9</b>	<b>0.83 J</b>	<b>4.3</b>
Zinc, Total	7440-66-6	ug/L		--	<b>140</b>	<b>19 J</b>	<b>110</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>94</b>	<b>93</b>	<b>91</b>
Chloride	16887-00-6	mg/L		--			
Fluoride	16984-48-8	mg/L		--			
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	<b>8.06 J</b>	<b>8.2 J</b>	<b>8.13 J</b>
Sulfate	14808-79-8	mg/L		--			

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>260</b>		<b>260</b>
Total Hardness	STL00009	mg/L		--	<b>200</b>	<b>180</b>	<b>190</b>
Total Suspended Solids	STL00161	mg/L		--	<b>93</b>	<b>21</b>	<b>67</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	FW-012	FW-012	FW-012	FW-040
				Sample ID	FW-012-150809-11	FW-012-150810-11	FW-012-150811-11	FW-040-150809-11
				Date	8/9/2015	8/10/2015	8/11/2015	8/9/2015
				Sample Time	13:10	10:40	9:20	10:40
				Latitude	36.78364	36.78364	36.78364	36.71966
				Longitude	-108.10211	-108.10211	-108.10211	-108.20713
Recreationa								
Metals, Dissolved								
I RSL								
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	46 J	36 J	34 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	62	58	64	66
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	0.043 J	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	68000	63000	66000	70000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	< 0.12 U	< 0.12 U	0.12 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.1	2.4	2.6	4.3
Iron, Dissolved	7439-89-6	ug/L	120000	--	34 J	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.84	0.073 J	0.13 J	0.19 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8900	8400	8800	9200
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	12	14	6.6
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2	1.1	1.2 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.87 J	0.8 J	1	2.3 J
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2000	2200	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	16000	15000	16000	16000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	15 J	< 2.8 U	5.2 J	86 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>								
Aluminum, Total	7429-90-5	ug/L		--	<b>1300</b>	<b>420</b>	<b>220</b>	<b>510</b>
Antimony, Total	7440-36-0	ug/L		--	<b>0.45 J</b>	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>2.2</b>	<b>0.84 J</b>	< 0.37 U	<b>1.6</b>
Barium, Total	7440-39-3	ug/L		--	<b>80</b>	<b>66</b>	<b>68</b>	<b>80</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.11</b>	<b>0.068 J</b>	<b>0.086 J</b>	<b>0.19</b>
Calcium, Total	7440-70-2	ug/L		--	<b>68000</b>	<b>64000</b>	<b>65000</b>	<b>69000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.62</b>	<b>0.31 J</b>	<b>0.25 J</b>	<b>0.58</b>
Copper, Total	7440-50-8	ug/L		--	<b>12</b>	<b>5.4</b>	<b>3.9</b>	<b>10</b>
Iron, Total	7439-89-6	ug/L		--	<b>3200 J</b>	<b>790 J</b>	<b>390</b>	<b>1900 J</b>
Lead, Total	7439-92-1	ug/L		--	<b>41 J</b>	<b>9.7 J</b>	<b>5.1</b>	<b>14 J</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>9100</b>	<b>8600</b>	<b>8700</b>	<b>8800</b>
Manganese, Total	7439-96-5	ug/L		--	<b>120 J</b>	<b>75 J</b>	<b>57</b>	<b>160 J</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.6</b>	<b>1.1</b>	<b>1.1</b>	<b>0.93 J</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.4</b>	<b>1.3</b>	<b>0.93 J</b>	<b>1.2 J</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2500</b>	<b>2100</b>	<b>2200</b>	<b>2200</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	<b>0.27 J</b>	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>16000</b>	<b>15000</b>	<b>16000</b>	<b>16000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>2.6</b>	<b>1</b>	<b>0.44 J</b>	<b>1.8</b>
Zinc, Total	7440-66-6	ug/L		--	<b>63</b>	<b>30</b>	<b>20</b>	<b>71 J</b>
<b>General</b>								
Alkalinity	STL00171	mg/L		--	<b>94</b>	<b>87</b>	<b>93</b>	<b>110</b>
Chloride	16887-00-6	mg/L		--	<b>12</b>	<b>11</b>	<b>12</b>	<b>12</b>
Fluoride	16984-48-8	mg/L		--	<b>0.36</b>	<b>0.35</b>	<b>0.33</b>	<b>0.36</b>
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 UJ	
pH	STL00204	SU		--	<b>8.26 J</b>	<b>8.16 J</b>	<b>8.19 J</b>	<b>8.15 J</b>
Sulfate	14808-79-8	mg/L		--	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>290</b>	<b>270</b>	<b>270</b>	<b>280</b>
Total Hardness	STL00009	mg/L		--	<b>210</b>	<b>200</b>	<b>200</b>	<b>210</b>
Total Suspended Solids	STL00161	mg/L		--	<b>1100</b>	<b>37</b>	<b>24</b>	<b>1600</b>

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\* - exceeds MCL

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg



Table 1  
Surfacewater Analytical Data - Region 6  
Upper Animas River

Analyte	CAS.NO	Units		Location	FW-040	FW-040	FWS-ARP2
				Sample ID	FW-040-150810-11	FW-040-150811-11	FWS-ARP2-150807-21
				Date	8/10/2015	8/11/2015	8/7/2015
				Sample Time	12:20	13:05	13:48
				Latitude	36.71966	36.71966	36.78357
				Longitude	-108.20713	-108.20713	-108.10213
Recreationa							
Metals, Dissolved I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	79 J	35 J	29 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	0.43 J	0.74 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	65	69
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L		--	64000	67000	68000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.13 J	0.12 J	0.16 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.6	2.8	1.2
Iron, Dissolved	7439-89-6	ug/L	120000	--	91	< 17 U	< 50 U
Lead, Dissolved	7439-92-1	ug/L	200	--	1.5	0.22 J	< 0.3 U
Magnesium, Dissolved	7439-95-4	ug/L		--	8400	8900	9600
Manganese, Dissolved	7439-96-5	ug/L	7800	--	13	8.2	21
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.2 J	1.2
Nickel, Dissolved	7440-02-0	ug/L	3300	--	0.96 J	1.2	1.5
Potassium, Dissolved	7440-09-7	ug/L		--	2000	2200	2400
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L		--	15000	17000	22000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 1 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	4.8 J	< 2.8 U	< 20 U

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>480</b>	<b>260</b>	<b>1400</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	< 0.37 U	<b>0.7 J</b>	<b>0.81 J</b>
Barium, Total	7440-39-3	ug/L		--	<b>70</b>	<b>70</b>	<b>79</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.066 J</b>	<b>0.13</b>	<b>0.092 J</b>
Calcium, Total	7440-70-2	ug/L		--	<b>67000</b>	<b>69000</b>	<b>67000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 2 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.34 J</b>	<b>0.28 J</b>	<b>0.52</b>
Copper, Total	7440-50-8	ug/L		--	<b>5.9</b>	<b>9.5</b>	<b>3.1</b>
Iron, Total	7439-89-6	ug/L		--	<b>910 J</b>	<b>400</b>	<b>1000</b>
Lead, Total	7439-92-1	ug/L		--	<b>11 J</b>	<b>5.7</b>	<b>2.6</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8800</b>	<b>9100</b>	<b>9600</b>
Manganese, Total	7439-96-5	ug/L		--	<b>79 J</b>	<b>64</b>	<b>91</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.2</b>	<b>1 J</b>	<b>1.2</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.1</b>	<b>1.3</b>	<b>2.1</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2200</b>	<b>2300</b>	<b>2600</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	<b>16000</b>	<b>17000</b>	<b>22000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	<b>1</b>	<b>0.51 J</b>	<b>1.9</b>
Zinc, Total	7440-66-6	ug/L		--	<b>32</b>	<b>37</b>	<b>20</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>90</b>	<b>94</b>	<b>91</b>
Chloride	16887-00-6	mg/L		--	<b>11</b>	<b>12</b>	
Fluoride	16984-48-8	mg/L		--	<b>0.35</b>	<b>0.33</b>	
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	
pH	STL00204	SU		--	<b>8.22 J</b>	<b>8.26 J</b>	<b>8.31 J</b>
Sulfate	14808-79-8	mg/L		--	<b>110</b>	<b>100</b>	

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>290</b>	<b>280</b>	
Total Hardness	STL00009	mg/L		--	<b>200</b>	<b>210</b>	<b>210</b>
Total Suspended Solids	STL00161	mg/L		--	<b>42</b>	<b>42</b>	<b>43</b>

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	FWS-ARP2	FWS-FDPS	LVW-020
				Sample ID	FWS-ARP2-150808-11	FWS-FDPS-150808-11	LVW-020-150809-11
				Date	8/8/2015	8/8/2015	8/9/2015
				Sample Time	11:50	16:15	9:35
				Latitude	36.78357	36.71455	36.73056
				Longitude	-108.10213	-108.21644	-108.25105
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 0 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.38 J	0.76 J	0.78 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	56	60	73
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	66000	66000	54000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.14 J	0.13 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.4	1.6	1.7
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.14 J	0.2 J	0.085 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8300	8400	7100
Manganese, Dissolved	7439-96-5	ug/L	7800	--	1.7 J	1.6 J	3.9
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.7	1.7	1.5
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.4	1.8	1.3
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2200	2400
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 1 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 0 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	16000	16000	20000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	< 0 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.37 J	0.36 J	0.6 J
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 3 U	66 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	5300 J-	5000 J-	3200
Antimony, Total	7440-36-0	ug/L		--	1.6	1.4	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	11	10	2.4
Barium, Total	7440-39-3	ug/L		--	100 J-	110 J-	170
Beryllium, Total	7440-41-7	ug/L		--	0.31 J	0.3 J	0.65
Cadmium, Total	7440-43-9	ug/L		--	0.5	0.45	0.15
Calcium, Total	7440-70-2	ug/L		--	69000	70000	63000
Chromium, Total	7440-47-3	ug/L		--	1.8 J	1.8 J	1.3 J
Cobalt, Total	7440-48-4	ug/L		--	1.2	1.3	3.2
Copper, Total	7440-50-8	ug/L		--	47	43	12
Iron, Total	7439-89-6	ug/L		--	16000	14000	2400 J
Lead, Total	7439-92-1	ug/L		--	220	200	11 J
Magnesium, Total	7439-95-4	ug/L		--	9400	9600	8000
Manganese, Total	7439-96-5	ug/L		--	220	230	340 J
Mercury, Total	7439-97-6	ug/L		--	< 0 U	< 0 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	4.1	3.7	0.7 J
Nickel, Total	7440-02-0	ug/L		--	2.1	2.3	3.4
Potassium, Total	7440-09-7	ug/L		--	4000	3800	3100
Selenium, Total	7782-49-2	ug/L		--	1 J	0.83 J	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	1.6	1.4	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	17000	17000	19000
Thallium, Total	7440-28-0	ug/L		--	0.12 J	0.11 J	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	11	10	6.8
Zinc, Total	7440-66-6	ug/L		--	170	160	45 J
<b>General</b>							
Alkalinity	STL00171	mg/L		--	88	90	96
Chloride	16887-00-6	mg/L		--			7.8
Fluoride	16984-48-8	mg/L		--			0.28
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.1 J	8.1 J	8.08 J
Sulfate	14808-79-8	mg/L		--			78

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>290</b>	<b>290</b>	<b>200</b>
Total Hardness	STL00009	mg/L		--	<b>210</b>	<b>210</b>	<b>190</b>
Total Suspended Solids	STL00161	mg/L		--	<b>170</b>	<b>150</b>	<b>2800</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	LVW-020	LVW-020	LVW-030
				Sample ID	LVW-020-150810-11	LVW-020-150811-11	LVW-030-150809-11
				Date	8/10/2015	8/11/2015	8/9/2015
				Sample Time	13:10	11:00	8:45
				Latitude	36.73056	36.73056	36.72181
				Longitude	-108.25105	-108.25105	-108.32593
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 24 U	440
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.48 J	0.91 J	0.49 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	68	76	82
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	50000	59000	53000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.13 J	0.37 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.4	3.1	2.4
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	290
Lead, Dissolved	7439-92-1	ug/L	200	--	0.11 J	< 0.06 U	1.1
Magnesium, Dissolved	7439-95-4	ug/L		--	6700	7900	6900
Manganese, Dissolved	7439-96-5	ug/L	7800	--	6.7	3.2	23
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3	1.3 J	1.3 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.5	1.3	1.6
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2500	2500
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	18000	21000	20000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.48 J	0.73 J	1.4
Zinc, Dissolved	7440-66-6	ug/L	50000	--	2.8 J	30	48

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>3500</b>	<b>790</b>	<b>4300</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>1.3</b>	<b>1.1</b>	<b>2.6</b>
Barium, Total	7440-39-3	ug/L		--	<b>120</b>	<b>110</b>	<b>200</b>
Beryllium, Total	7440-41-7	ug/L		--	<b>0.29 J</b>	<b>0.17 J</b>	<b>0.94</b>
Cadmium, Total	7440-43-9	ug/L		--	<b>0.057 J</b>	< 0.043 U	<b>0.19</b>
Calcium, Total	7440-70-2	ug/L		--	<b>55000</b>	<b>60000</b>	<b>67000</b>
Chromium, Total	7440-47-3	ug/L		--	<b>2.1</b>	< 1 U	<b>2.2</b>
Cobalt, Total	7440-48-4	ug/L		--	<b>1.6</b>	<b>0.88</b>	<b>4.5</b>
Copper, Total	7440-50-8	ug/L		--	<b>6.2</b>	<b>4.8</b>	<b>15</b>
Iron, Total	7439-89-6	ug/L		--	<b>2400 J</b>	<b>590</b>	<b>3100 J</b>
Lead, Total	7439-92-1	ug/L		--	<b>6.5 J</b>	<b>3.5</b>	<b>13 J</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>7600</b>	<b>7900</b>	<b>8300</b>
Manganese, Total	7439-96-5	ug/L		--	<b>140 J</b>	<b>100</b>	<b>470 J</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.1</b>	<b>0.96 J</b>	<b>0.58 J</b>
Nickel, Total	7440-02-0	ug/L		--	<b>2.3</b>	<b>1.6</b>	<b>4.4</b>
Potassium, Total	7440-09-7	ug/L		--	<b>3000</b>	<b>2500</b>	<b>3400</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>18000</b>	<b>20000</b>	<b>20000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>5.3</b>	<b>2.3</b>	<b>9.6</b>
Zinc, Total	7440-66-6	ug/L		--	<b>20</b>	<b>110</b>	<b>49</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>89</b>	<b>95</b>	<b>90</b>
Chloride	16887-00-6	mg/L		--	<b>7.3</b>	<b>9.4</b>	<b>7.5</b>
Fluoride	16984-48-8	mg/L		--	<b>0.26</b>	<b>0.27</b>	<b>0.28</b>
Nitrate as N	14797-55-8	mg/L		--		< 0.023 UJ	
pH	STL00204	SU		--	<b>8.08 J</b>	<b>8.22 J</b>	<b>8.08 J</b>
Sulfate	14808-79-8	mg/L		--	<b>78</b>	<b>89</b>	<b>78</b>



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>240</b>	<b>270</b>	<b>130</b>
Total Hardness	STL00009	mg/L		--	<b>150</b>	<b>180</b>	<b>200</b>
Total Suspended Solids	STL00161	mg/L		--	<b>480</b>	<b>190</b>	<b>1200</b>

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\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 6  
Upper Animas River

Analyte	CAS.NO	Units		Location	LVW-030	LVW-030	LVW-FD
				Sample ID	LVW-030-150810-11	LVW-030-150811-11	LVW-FD-150807-21
				Date	8/10/2015	8/11/2015	8/7/2015
				Sample Time	13:55	11:45	15:34
				Latitude	36.72181	36.72181	36.73156
				Longitude	-108.32593	-108.32593	-108.31426
Recreationa							
Metals, Dissolved							
I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U	< 24 U	< 200 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.53 J	0.46 J	1.1
Barium, Dissolved	7440-39-3	ug/L	33000	--	70	78	110
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L		--	51000	59000	77000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	0.13 J	0.22 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	2.1	1.4
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	42 J
Lead, Dissolved	7439-92-1	ug/L	200	--	0.069 J	< 0.06 U	0.18 J
Magnesium, Dissolved	7439-95-4	ug/L		--	6800	7800	10000
Manganese, Dissolved	7439-96-5	ug/L	7800	--	6.7	4.5	24
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.3 J	1.3 J	1.5
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.3	1.2	2.1
Potassium, Dissolved	7440-09-7	ug/L		--	2300	2400	2800
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L		--	18000	21000	31000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.91 J	0.71 J	0.44 J
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 2.8 U	35	< 20 U

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>4700</b>	<b>1200</b>	<b>2300</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L		--	<b>1.7</b>	<b>1.1</b>	<b>1.4</b>
Barium, Total	7440-39-3	ug/L		--	<b>140</b>	<b>110</b>	<b>120</b>
Beryllium, Total	7440-41-7	ug/L		--	<b>0.36 J</b>	<b>0.21 J</b>	< 0.4 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.049 J</b>	< 0.043 U	<b>0.064 J</b>
Calcium, Total	7440-70-2	ug/L		--	<b>55000</b>	<b>62000</b>	<b>75000</b>
Chromium, Total	7440-47-3	ug/L		--	<b>2.6</b>	< 1 U	<b>1.2 J</b>
Cobalt, Total	7440-48-4	ug/L		--	<b>2.1</b>	<b>1.1</b>	<b>0.56</b>
Copper, Total	7440-50-8	ug/L		--	<b>7.3</b>	<b>4.9</b>	<b>3.1</b>
Iron, Total	7439-89-6	ug/L		--	<b>3100 J</b>	<b>740</b>	<b>1400</b>
Lead, Total	7439-92-1	ug/L		--	<b>7.9 J</b>	<b>3.5</b>	<b>2.9</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>7600</b>	<b>8100</b>	<b>10000</b>
Manganese, Total	7439-96-5	ug/L		--	<b>190 J</b>	<b>130</b>	<b>83</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.1 J</b>	<b>0.91 J</b>	<b>1.5</b>
Nickel, Total	7440-02-0	ug/L		--	<b>2.8</b>	<b>1.8</b>	<b>2.4</b>
Potassium, Total	7440-09-7	ug/L		--	<b>3200</b>	<b>2600</b>	<b>3200</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 2 U
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Total	7440-23-5	ug/L		--	<b>18000</b>	<b>20000</b>	<b>29000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Total	7440-62-2	ug/L		--	<b>7.2</b>	<b>2.8</b>	<b>3.1</b>
Zinc, Total	7440-66-6	ug/L		--	<b>25</b>	<b>17 J</b>	<b>13 J</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>89</b>	<b>95</b>	<b>120</b>
Chloride	16887-00-6	mg/L		--	<b>6.8</b>	<b>9.1</b>	
Fluoride	16984-48-8	mg/L		--	<b>0.26</b>	<b>0.27</b>	
Nitrate as N	14797-55-8	mg/L		--		< 0.023 UJ	
pH	STL00204	SU		--	<b>8.08 J</b>	<b>8.2 J</b>	<b>8.11 J</b>
Sulfate	14808-79-8	mg/L		--	<b>78</b>	<b>89</b>	

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>240</b>	<b>260</b>	
Total Hardness	STL00009	mg/L		--	<b>170</b>	<b>190</b>	<b>230</b>
Total Suspended Solids	STL00161	mg/L		--	<b>440</b>	<b>370</b>	<b>36</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	LVW-FD	LVW-WPI	MW-020
				Sample ID	LVW-FD-150808-11	LVW-WPI-150808-11	MW-020-150809-11
				Date	8/8/2015	8/8/2015	8/9/2015
				Sample Time	15:20	14:20	14:30
				Latitude	36.73156	36.73139	36.77191
				Longitude	-108.31426	-108.249	-108.11860
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	390	270	31 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U	< 0 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	0.76 J	0.76 J	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	33000	--	81	70	63
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U	< 0 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U	< 0 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	52000	51000	68000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.23 J	0.18 J	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	6700	--	1.7	1.5	2.1
Iron, Dissolved	7439-89-6	ug/L	120000	--	220	150	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.5	0.36	0.13 J
Magnesium, Dissolved	7439-95-4	ug/L		--	6600	6500	9000
Manganese, Dissolved	7439-96-5	ug/L	7800	--	20	3.5	11
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U	< 0 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.8	1.8	2.1 J
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.8	1.5	1.1
Potassium, Dissolved	7440-09-7	ug/L		--	2500	2500	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U	< 1 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U	< 0 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	20000	19000	16000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U	0.15 J	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	0.73 J	0.68 J	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U	< 3 U	25

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	22000 J-	29000 J-	500
Antimony, Total	7440-36-0	ug/L		--	0.64 J	1.2	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	14	15	1.6
Barium, Total	7440-39-3	ug/L		--	370 J-	400 J-	76
Beryllium, Total	7440-41-7	ug/L		--	1.2	1.5	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	0.34	0.45	0.12
Calcium, Total	7440-70-2	ug/L		--	64000	67000	68000
Chromium, Total	7440-47-3	ug/L		--	12	17	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	8.3	10	0.47
Copper, Total	7440-50-8	ug/L		--	55	58	9.5
Iron, Total	7439-89-6	ug/L		--	30000	36000	1800 J
Lead, Total	7439-92-1	ug/L		--	240	240	15 J
Magnesium, Total	7439-95-4	ug/L		--	11000	12000	8900
Manganese, Total	7439-96-5	ug/L		--	530	620	130 J
Mercury, Total	7439-97-6	ug/L		--	0.089 J	< 0 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	3.4	4.4	0.98 J
Nickel, Total	7440-02-0	ug/L		--	12	14	1.3
Potassium, Total	7440-09-7	ug/L		--	7000	8400	2300
Selenium, Total	7782-49-2	ug/L		--	1.4 J	1 J	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	1.6	1.5	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	22000	21000	15000
Thallium, Total	7440-28-0	ug/L		--	0.29	0.37	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	34	46	1.6
Zinc, Total	7440-66-6	ug/L		--	160	170	63
<b>General</b>							
Alkalinity	STL00171	mg/L		--	83	83	95
Chloride	16887-00-6	mg/L		--			12
Fluoride	16984-48-8	mg/L		--			0.36
Nitrate as N	14797-55-8	mg/L		--			
pH	STL00204	SU		--	8.03 J	8.02 J	8.31 J
Sulfate	14808-79-8	mg/L		--			100

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>260</b>	<b>270</b>	<b>260</b>
Total Hardness	STL00009	mg/L		--	<b>210</b>	<b>220</b>	<b>210</b>
Total Suspended Solids	STL00161	mg/L		--	<b>910</b>	<b>1100</b>	<b>1200</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	MW-020	MW-020	MWSS-ARI
				Sample ID	MW-020-150810-11	MW-020-150811-11	MWSS-ARI-150808-11
				Date	8/10/2015	8/11/2015	8/8/2015
				Sample Time	9:20	13:55	12:50
				Latitude	36.77191	36.77191	36.77134
				Longitude	-108.11860	-108.11860	-108.1189
Recreationa							
Metals, Dissolved I RSL							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	39 J	41 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	0.52 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	62	57
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0 U
Calcium, Dissolved	7440-70-2	ug/L		--	65000	64000	67000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	0.12 J	< 0.12 U	0.15 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.2	2.7	1.6
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.31	0.21 J	0.23 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8900	8600
Manganese, Dissolved	7439-96-5	ug/L	7800	--	14	12	4.3
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	1.2	1.4 J	1.7
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.3 J	1.3 J	1.9
Potassium, Dissolved	7440-09-7	ug/L		--	2000	2300	2200
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 1 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0 U
Sodium, Dissolved	7440-23-5	ug/L		--	15000	17000	16000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	0.3 J
Zinc, Dissolved	7440-66-6	ug/L	50000	--	3.1 J	< 2.8 U	< 3 U



Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>530</b>	<b>230</b>	<b>4600 J-</b>
Antimony, Total	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	<b>1.5</b>
Arsenic, Total	7440-38-2	ug/L		--	<b>0.66 J</b>	<b>0.62 J</b>	<b>11</b>
Barium, Total	7440-39-3	ug/L		--	<b>69</b>	<b>66</b>	<b>110 J-</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	<b>0.29 J</b>
Cadmium, Total	7440-43-9	ug/L		--	<b>0.12</b>	<b>0.078 J</b>	<b>0.51</b>
Calcium, Total	7440-70-2	ug/L		--	<b>66000</b>	<b>63000</b>	<b>68000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	<b>1.8 J</b>
Cobalt, Total	7440-48-4	ug/L		--	<b>0.36 J</b>	<b>0.24 J</b>	<b>1.3</b>
Copper, Total	7440-50-8	ug/L		--	<b>6.1</b>	<b>4.2</b>	<b>46</b>
Iron, Total	7439-89-6	ug/L		--	<b>1000 J</b>	<b>370</b>	<b>14000</b>
Lead, Total	7439-92-1	ug/L		--	<b>12 J</b>	<b>5.2</b>	<b>210</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8700</b>	<b>8800</b>	<b>9200</b>
Manganese, Total	7439-96-5	ug/L		--	<b>86 J</b>	<b>58</b>	<b>230</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.2</b>	<b>1 J</b>	<b>3.9</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.1 J</b>	<b>1 J</b>	<b>2.2</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2100</b>	<b>2300</b>	<b>3600</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	<b>0.69 J</b>
Silver, Total	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	<b>1.5</b>
Sodium, Total	7440-23-5	ug/L		--	<b>15000</b>	<b>16000</b>	<b>16000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	<b>0.11 J</b>
Vanadium, Total	7440-62-2	ug/L		--	<b>0.98 J</b>	<b>0.46 J</b>	<b>10</b>
Zinc, Total	7440-66-6	ug/L		--	<b>36</b>	<b>25</b>	<b>170</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>89</b>	<b>87</b>	<b>89</b>
Chloride	16887-00-6	mg/L		--	<b>11</b>	<b>12</b>	
Fluoride	16984-48-8	mg/L		--	<b>0.35</b>	<b>0.33</b>	
Nitrate as N	14797-55-8	mg/L		--	< 0.023 U	< 0.023 U	
pH	STL00204	SU		--	<b>8.11 J</b>	<b>8.37 J</b>	<b>8.12 J</b>
Sulfate	14808-79-8	mg/L		--	<b>100</b>	<b>100</b>	

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>270</b>	<b>270</b>	<b>290</b>
Total Hardness	STL00009	mg/L		--	<b>200</b>	<b>190</b>	<b>210</b>
Total Suspended Solids	STL00161	mg/L		--	<b>36</b>	<b>36</b>	<b>150</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	NSW-020	NSW-020	NSW-020
				Sample ID	NSW-020-150809-11	NSW-020-150810-11	NSW-020-150811-11
				Date	8/9/2015	8/10/2015	8/11/2015
				Sample Time	11:10	11:05	11:45
				Latitude	36.90090	36.90090	36.90090
				Longitude	-107.91712	-107.91712	-107.91712
Recreationa							
I RSL							
Metals, Dissolved							
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	28 J	45 J	38 J
Antimony, Dissolved	7440-36-0	ug/L		--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	< 0.37 U	< 0.37 U	0.38 J
Barium, Dissolved	7440-39-3	ug/L	33000	--	60	60	65
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L		--	63000	61000	62000
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	< 0.12 U	0.3 J	0.12 J
Copper, Dissolved	7440-50-8	ug/L	6700	--	2.3	2.7	2.8
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	0.38	0.32	0.14 J
Magnesium, Dissolved	7439-95-4	ug/L		--	8500	8500	8800
Manganese, Dissolved	7439-96-5	ug/L	7800	--	10	12	11
Mercury, Dissolved	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	0.96 J	1.1	1.1
Nickel, Dissolved	7440-02-0	ug/L	3300	--	1.1	1.2 J	1.6 J
Potassium, Dissolved	7440-09-7	ug/L		--	2200	2100	2300
Selenium, Dissolved	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L		--	12000	13000	13000
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0.3 U	< 0.3 U	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	12 J	4.3 J	3 J

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>							
Aluminum, Total	7429-90-5	ug/L		--	<b>860</b>	<b>310</b>	<b>180 J</b>
Antimony, Total	7440-36-0	ug/L		--	<b>0.41 J</b>	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L		--	<b>2</b>	< 0.37 U	<b>0.37 J</b>
Barium, Total	7440-39-3	ug/L		--	<b>73</b>	<b>64</b>	<b>67</b>
Beryllium, Total	7440-41-7	ug/L		--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Total	7440-43-9	ug/L		--	<b>0.13</b>	<b>0.073 J</b>	<b>0.093 J</b>
Calcium, Total	7440-70-2	ug/L		--	<b>63000</b>	<b>60000</b>	<b>62000</b>
Chromium, Total	7440-47-3	ug/L		--	< 1 U	< 1 U	< 1 U
Cobalt, Total	7440-48-4	ug/L		--	<b>0.6</b>	<b>0.22 J</b>	<b>0.2 J</b>
Copper, Total	7440-50-8	ug/L		--	<b>11</b>	<b>4.7</b>	<b>4</b>
Iron, Total	7439-89-6	ug/L		--	<b>2700 J</b>	<b>640 J</b>	<b>380</b>
Lead, Total	7439-92-1	ug/L		--	<b>37 J</b>	<b>8.6 J</b>	<b>5.1</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8400</b>	<b>8400</b>	<b>8700</b>
Manganese, Total	7439-96-5	ug/L		--	<b>110 J</b>	<b>45 J</b>	<b>46</b>
Mercury, Total	7439-97-6	ug/L		--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L		--	<b>1.3</b>	<b>1</b>	<b>1</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.1</b>	<b>0.98 J</b>	<b>0.98 J</b>
Potassium, Total	7440-09-7	ug/L		--	<b>2300</b>	<b>2100</b>	<b>2200</b>
Selenium, Total	7782-49-2	ug/L		--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L		--	<b>0.27 J</b>	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L		--	<b>12000</b>	<b>12000</b>	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L		--	<b>2.2</b>	<b>0.74 J</b>	<b>0.36 J</b>
Zinc, Total	7440-66-6	ug/L		--	<b>63</b>	<b>24</b>	<b>21</b>
<b>General</b>							
Alkalinity	STL00171	mg/L		--	<b>91</b>	<b>99</b>	<b>92</b>
Chloride	16887-00-6	mg/L		--	<b>11</b>	<b>10</b>	<b>11</b>
Fluoride	16984-48-8	mg/L		--	<b>0.34</b>	<b>0.33</b>	<b>0.32</b>
Nitrate as N	14797-55-8	mg/L		--		< 0.023 U	< 0.023 U
pH	STL00204	SU		--	<b>8.14 J</b>	<b>8.12 J</b>	<b>8.31 J</b>
Sulfate	14808-79-8	mg/L		--	<b>88</b>	<b>86</b>	<b>88</b>

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>260</b>	<b>250</b>	<b>250</b>
Total Hardness	STL00009	mg/L		--	<b>190</b>	<b>180</b>	<b>190</b>
Total Suspended Solids	STL00161	mg/L		--	<b>780</b>	<b>26</b>	<b>26</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Analyte	CAS.NO	Units		Location	NSW-ARI
				Sample ID	NSW-ARI-150808-11
				Date	8/8/2015
				Sample Time	11:25
				Latitude	36.90090
				Longitude	-107.91712
Recreationa					
I RSL					
Aluminum, Dissolved	7429-90-5	ug/L	170000	--	< 24 U
Antimony, Dissolved	7440-36-0	ug/L		--	< 0 U
Arsenic, Dissolved	7440-38-2	ug/L	50	--	<b>0.62 J</b>
Barium, Dissolved	7440-39-3	ug/L	33000	--	<b>52</b>
Beryllium, Dissolved	7440-41-7	ug/L	330	--	< 0 U
Cadmium, Dissolved	7440-43-9	ug/L	83	--	< 0 U
Calcium, Dissolved	7440-70-2	ug/L		--	<b>58000</b>
Chromium, Dissolved	7440-47-3	ug/L	210000	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50	--	<b>0.12 J</b>
Copper, Dissolved	7440-50-8	ug/L	6700	--	<b>1.5</b>
Iron, Dissolved	7439-89-6	ug/L	120000	--	< 17 U
Lead, Dissolved	7439-92-1	ug/L	200	--	<b>0.15 J</b>
Magnesium, Dissolved	7439-95-4	ug/L		--	<b>7900</b>
Manganese, Dissolved	7439-96-5	ug/L	7800	--	<b>5.4</b>
Mercury, Dissolved	7439-97-6	ug/L		--	< 0 U
Molybdenum, Dissolved	7439-98-7	ug/L		--	<b>1.3</b>
Nickel, Dissolved	7440-02-0	ug/L	3300	--	<b>1.3</b>
Potassium, Dissolved	7440-09-7	ug/L		--	<b>2200</b>
Selenium, Dissolved	7782-49-2	ug/L		--	< 1 U
Silver, Dissolved	7440-22-4	ug/L		--	< 0 U
Sodium, Dissolved	7440-23-5	ug/L		--	<b>12000</b>
Thallium, Dissolved	7440-28-0	ug/L	1.7	--	< 0 U
Vanadium, Dissolved	7440-62-2	ug/L	830	--	< 0 U
Zinc, Dissolved	7440-66-6	ug/L	50000	--	< 3 U

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

<b>Metals, Total</b>					
Aluminum, Total	7429-90-5	ug/L		--	<b>2200 J-</b>
Antimony, Total	7440-36-0	ug/L		--	<b>0.93 J</b>
Arsenic, Total	7440-38-2	ug/L		--	<b>6.1</b>
Barium, Total	7440-39-3	ug/L		--	<b>80 J-</b>
Beryllium, Total	7440-41-7	ug/L		--	<b>0.16 J</b>
Cadmium, Total	7440-43-9	ug/L		--	<b>0.38</b>
Calcium, Total	7440-70-2	ug/L		--	<b>63000</b>
Chromium, Total	7440-47-3	ug/L		--	<b>&lt; 1 U</b>
Cobalt, Total	7440-48-4	ug/L		--	<b>0.78</b>
Copper, Total	7440-50-8	ug/L		--	<b>29</b>
Iron, Total	7439-89-6	ug/L		--	<b>8300</b>
Lead, Total	7439-92-1	ug/L		--	<b>110</b>
Magnesium, Total	7439-95-4	ug/L		--	<b>8700</b>
Manganese, Total	7439-96-5	ug/L		--	<b>170</b>
Mercury, Total	7439-97-6	ug/L		--	<b>&lt; 0 U</b>
Molybdenum, Total	7439-98-7	ug/L		--	<b>2.5</b>
Nickel, Total	7440-02-0	ug/L		--	<b>1.7</b>
Potassium, Total	7440-09-7	ug/L		--	<b>3000</b>
Selenium, Total	7782-49-2	ug/L		--	<b>0.61 J</b>
Silver, Total	7440-22-4	ug/L		--	<b>0.8 J</b>
Sodium, Total	7440-23-5	ug/L		--	<b>13000</b>
Thallium, Total	7440-28-0	ug/L		--	<b>&lt; 0 U</b>
Vanadium, Total	7440-62-2	ug/L		--	<b>5.5</b>
Zinc, Total	7440-66-6	ug/L		--	<b>130</b>
<b>General</b>					
Alkalinity	STL00171	mg/L		--	<b>99</b>
Chloride	16887-00-6	mg/L		--	
Fluoride	16984-48-8	mg/L		--	
Nitrate as N	14797-55-8	mg/L		--	
pH	STL00204	SU		--	<b>8.12 J</b>
Sulfate	14808-79-8	mg/L		--	

Table 1  
 Surfacewater Analytical Data - Region 6  
 Upper Animas River

Total Dissolved Solids	STL00242	mg/L		--	<b>270</b>
Total Hardness	STL00009	mg/L		--	<b>190</b>
Total Suspended Solids	STL00161	mg/L		--	<b>71</b>

**Bold - Bolded results identify a detected value.**

**Highlighted values are detections that exceed the minimum of the listed screening values**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg